

## COURSE OUTLINE

### INTRODUCTION AND COURSE OVERVIEW

#### - What is Front End Development?

- What is difference between Front End Development and Back End Development?
- What is a web browser, server and how they work?
- Install required tools

#### - Intro to HTML.

- HTML Structure
- Specifying different versions of HTML – Doctype
- Understanding structure
- Learning about markup
- Tags, attributes and elements

#### - Text

- Headings and paragraphs
- Bold, italic, emphasis
- Structural and semantic markup

#### - Lists

- Numbered lists
- Bullet lists
- Definition lists

#### - Links

- Creating links between pages
- Linking to other sites
- Email links

#### - Images

- How to add images to pages
- Choosing the right format of image
- Optimize images for the web

#### - Tables

- How to create tables
- What information suits tables
- How to represent complex data in tables

#### - Forms

- Different kinds of form controls
- New HTML5 form controls

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- New HTML5 form controls
- Validations

#### - Video

- Audio
- Iframes – YouTube

#### - Comments

- Meta Information
- Class Attribute
- ID Attribute
- Escape characters

#### - Block elements

- Inline elements
- Inline block elements
- Grouping elements & text elements in block and inline

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#### - Introduction in CSS

- What CSS does?
- How CSS works?
- Rules, properties and values
- Inheritance, parent - Child relationship

## - Color – CSS

- How to specify a color
- Color terminology and contrast
- Background color

## - Text

- Size and typeface of text
- Bold, italics, capitals, underlines
- Spacing between lines, words and letters

## - Pseudo classes and elements in CSS?

## - CSS Resets

How they work

## - Boxes

- Controlling size of boxes
- Box model for borders, margin, and padding
- Displaying and hiding boxes
- Shadows

## - List, Tables and forms

- Specifying bullet point styles
- Adding borders and backgrounds to tables
- Changing the appearance of form elements

## - Layout

- Controlling the position of elements
- Creating site layouts
- Designing for different sized screens
- Positions

## - Images

Controlling size of images in CSS

Aligning images in CSS

Adding background images

## - CSS3 Transitions

## - CSS3 Transforms

## - CSS3 Animations

## - Screen Sizes

- Screen Resolutions
- Page Size
- Fixed Layout
- Liquid Layout

## - Responsive Websites

# BOOTSTRAP

## - DevTools

- How to test a website with DevTools
- HTML5 Layout

## - Process & Design

- How to approach building a site
- Sitemaps
- Wireframe
- Visual Hierarchy

## - Convert font and add in website

Google Fonts

## - CSS Preprocessors

## - Introduction to Javascript

## - What is Javascript

## - How Javascript works

## - Working with Document Object Model – DOM

## - Javascript variables, strings and arrays

## - Javascript functions and objects

## - Javascript loops

## - Javascript conditions

## - Javascript events

## - jQuery Introduction

How jQuery works

## - jQuery Selectors and Events

## - jQuery Traversing

## - jQuery Effects

- Fade Effect
- Slide Effect
- Callbacks

## - Create image slider and add in website

## - Google Map in website

## - Slice tools

Learn how to slice a photoshop design

## - PSD Slice

## - Deploy a website

- Web Hosting
- Domain